1/41

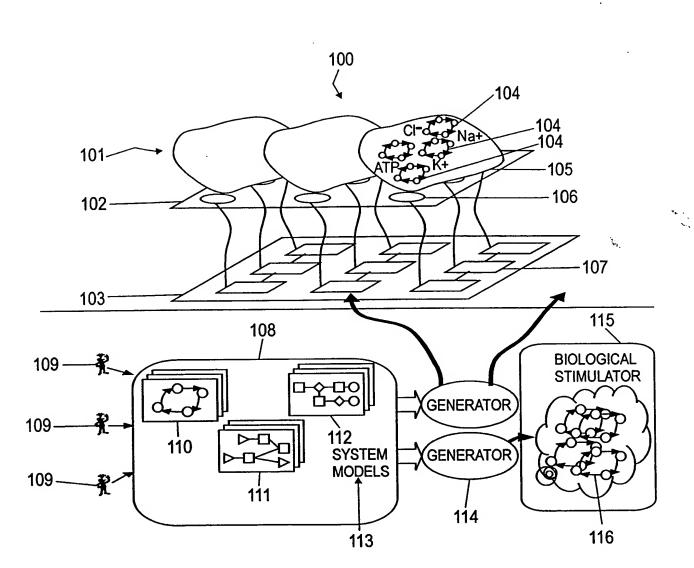


Fig. 1

10/510500

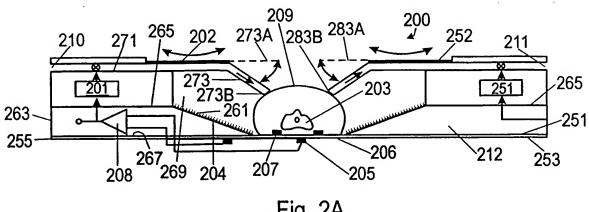


Fig. 2A

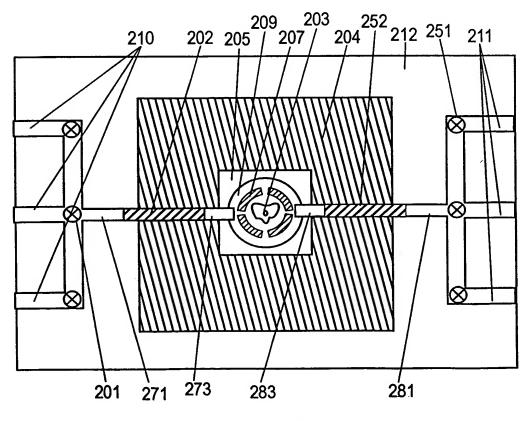


Fig. 2B

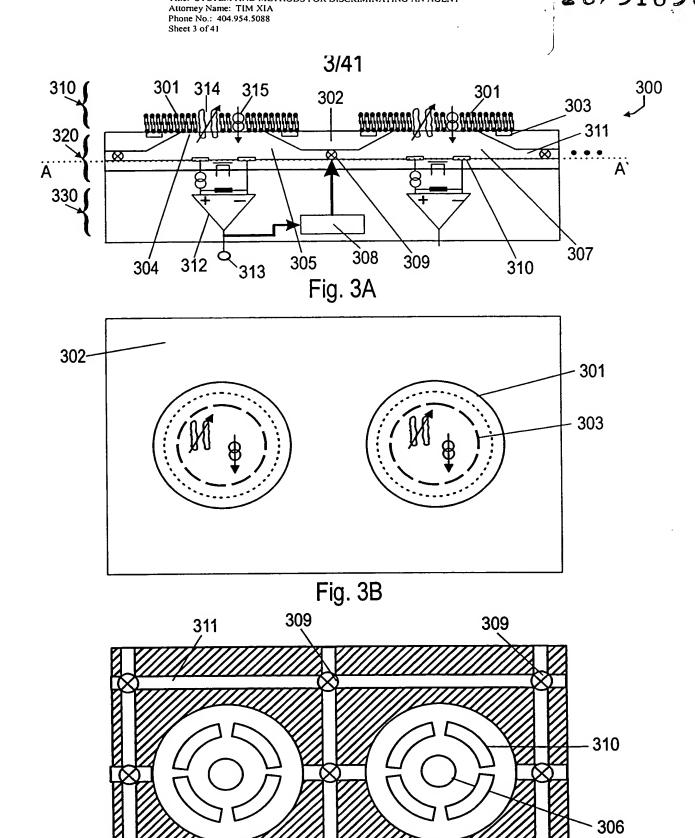
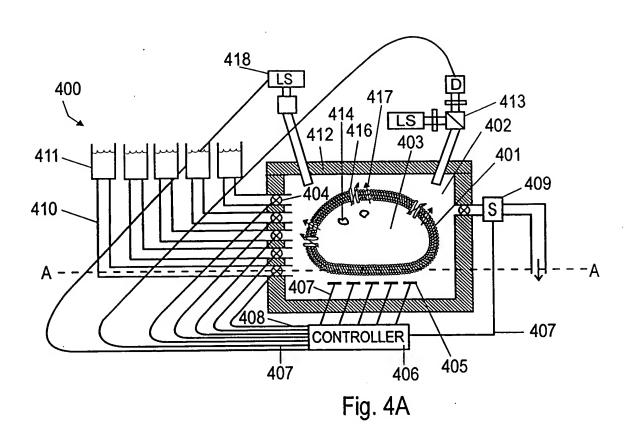
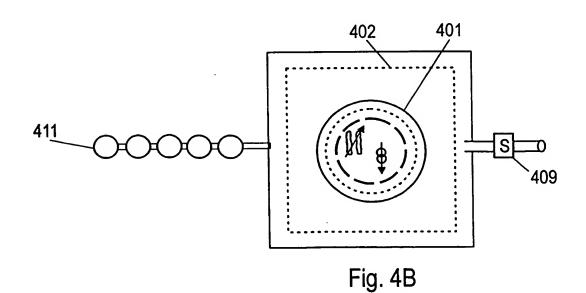


Fig. 3C





5/41

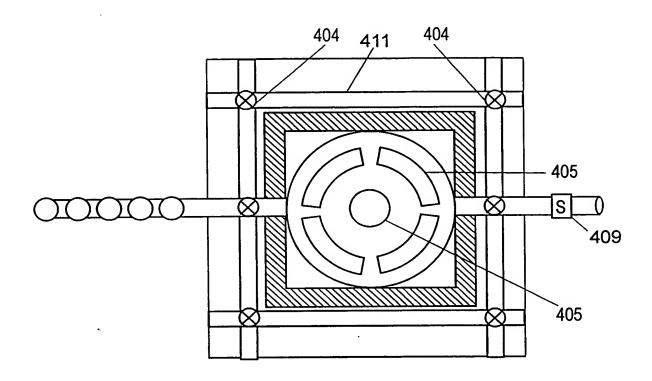


Fig. 4C



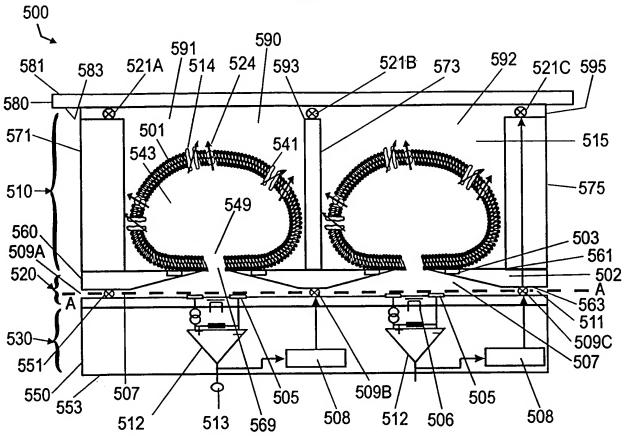


Fig. 5A

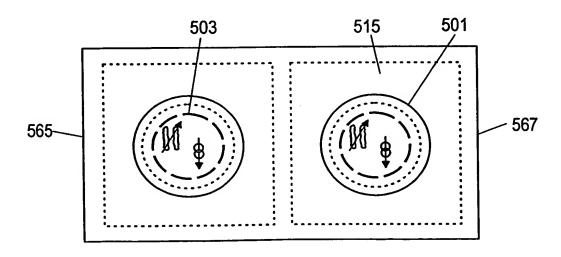


Fig. 5B

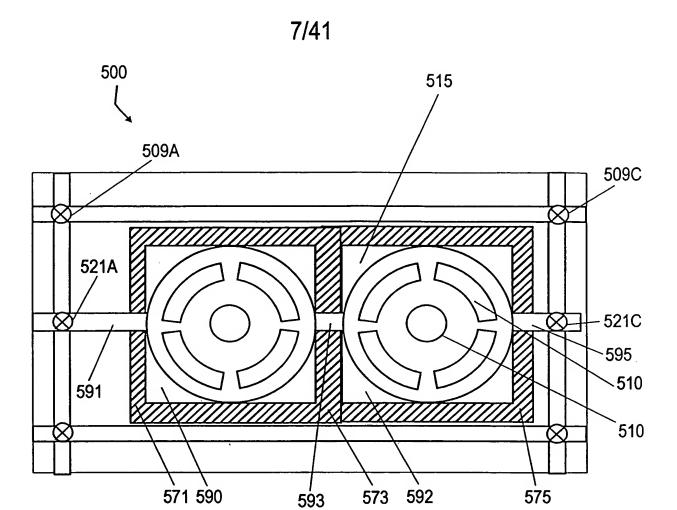
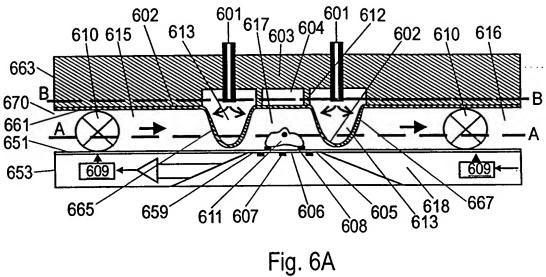


Fig. 5C

8/41



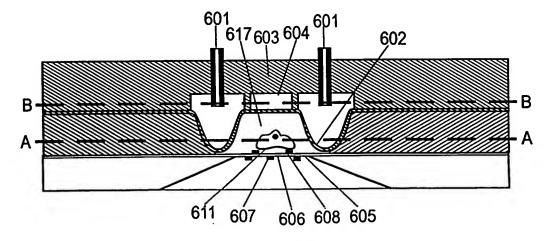
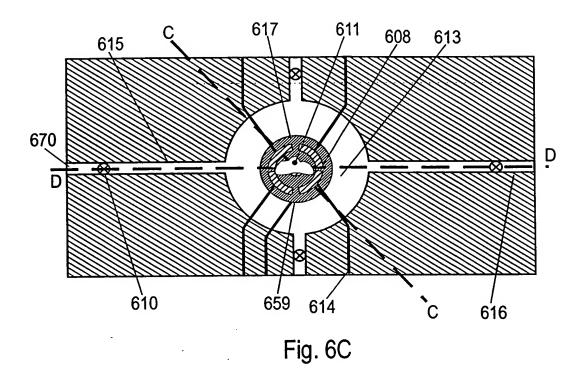


Fig. 6B



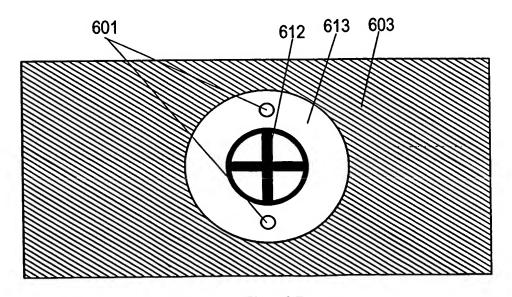
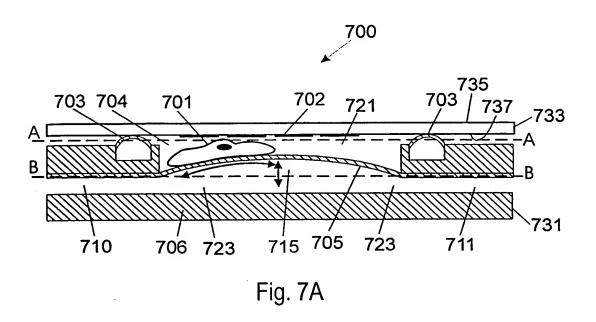


Fig. 6D



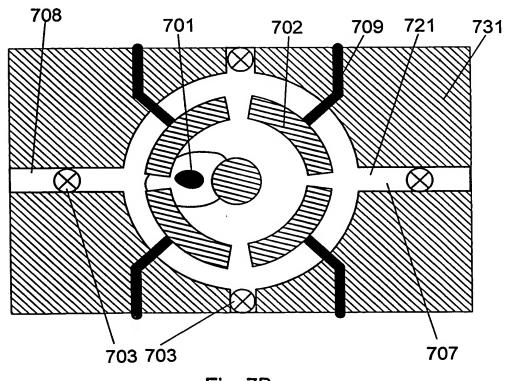


Fig. 7B

10/510500

Inventor: WIKSWO et al.
Docket No.: 60063.10USWO
Title: SYSTEM AND METHODS FOR DISCRIMINATING AN AGENT
Attorney Name: TIM XIA
Phone No.: 404.954.5088
Sheet 11 of 41

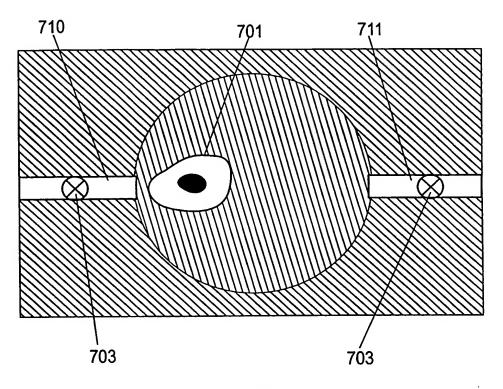


Fig. 7C

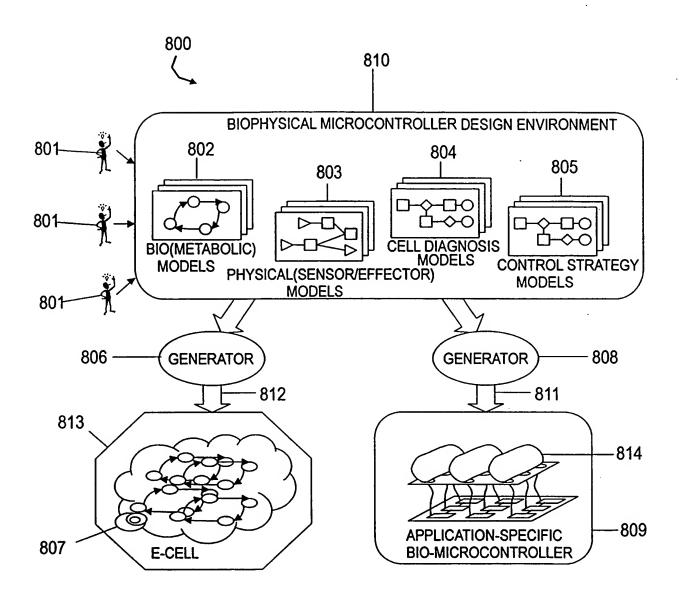


Fig. 8

| 1 | | 9067 | | | 1 | | | | 006 | | | | | | | 1 | | | | | | | | ; | 905 |
|--------|---------|-------------------------------------|---------------|---------------------|-----------------------------------|----------------|----------------|---------------|------------|---|------------|-----------|-----------|---------|------------|-----------|-----|------------|-----------|--|--|-------------|-------------|---------------|-------|
| | UNKNOWN | | LEVI 10%,SNR3 | SLOPE<0 SNR 2 | LEV + 25%, SNR 4 | LEV + 10 SNR 3 | LEV - 15 SNR 3 | LEV + 8 SNR 2 | INT - SNR2 | | INT - SNR2 | POS SNR 2 | NEG SNR 2 | | LEV- SNR 2 | FV. SNR 4 | H | LEV- SNR 2 | EV- SNR 6 | | | | | \ | 904 |
| AGENTS | X | LEVI - 10%, SNR 3 | LEVI 10%,SNR3 | SLOPE>20 SNR 5 | LEV + 10%, SNR 4 | LEV - 10 SNR 3 | LEV + 5 SNR 3 | LEV + 8 SNR 2 | INT + SNR2 | | INT + SNR4 | POS SNR 7 | NEG SNR 2 | | | FV. SNR 4 | 1 1 | NEV- SNR 2 | EW-SNR 6 | | | | | | ภ |
| | RICIN | LEVI + 5%, SNR 20 LEVI - 10%, SNR 3 | | Redox SLOPE> SNR 20 | LEV + 25%, SNR 4 LEV + 10%, SNR 4 | LEV + 10 SNR 3 | LEV + 15 SNR 3 | LEV + 8 SNR 2 | INT + SNR2 | | INT - SNR4 | POS SNR 7 | | | | FV. SNR 6 | | LEV- SNR 2 | EV- SNR 6 | | | | | | 000 |
| | MEAS | TEMP | p02 | Redox | 돐 | Na+ | K+ | Ca++ | GFP | ಶ | FP | DNA | RNA | | - | - | | 1 | | | | | | $\frac{1}{2}$ | |
| | DEVICE | PICOCALORIMETER | | NANOBIOREACTOR | | AUTOPATCHCLAMP | | | AGS | | | | | MYOCYTE | | | | | | | | | | 706 | |
| | | 901 | | | | | | | | | | | | | | | | | | | | D D D | ا ا ا | | \ c06 |

10/510500

Inventor: WIKSWO et al.
Docket No.: 60063.10USWO
Title: SYSTEM AND METHODS FOR DISCRIMINATING AN AGENT
Attorney Name: TIM XIA
Phone No.: 404.954.5088
Sheet 14 of 41

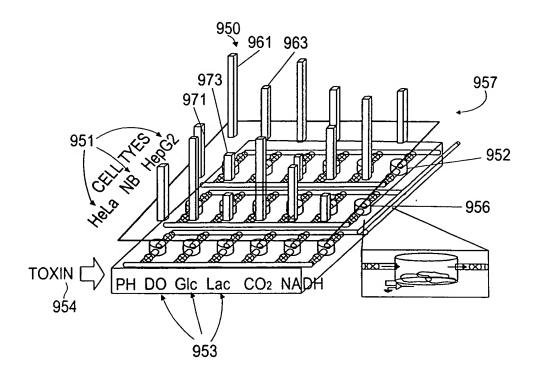


Fig. 9A

Inventor: WIKSWO et al. Docket No.: 60063.10USWO

Title: SYSTEM AND METHODS FOR DISCRIMINATING AN AGENT

Attorney Name: TIM XIA Phone No.: 404.954.5088 Sheet 15 of 41

15/41

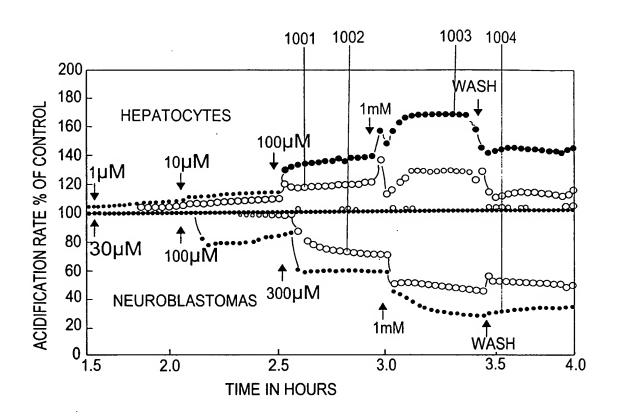
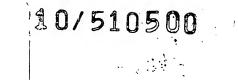
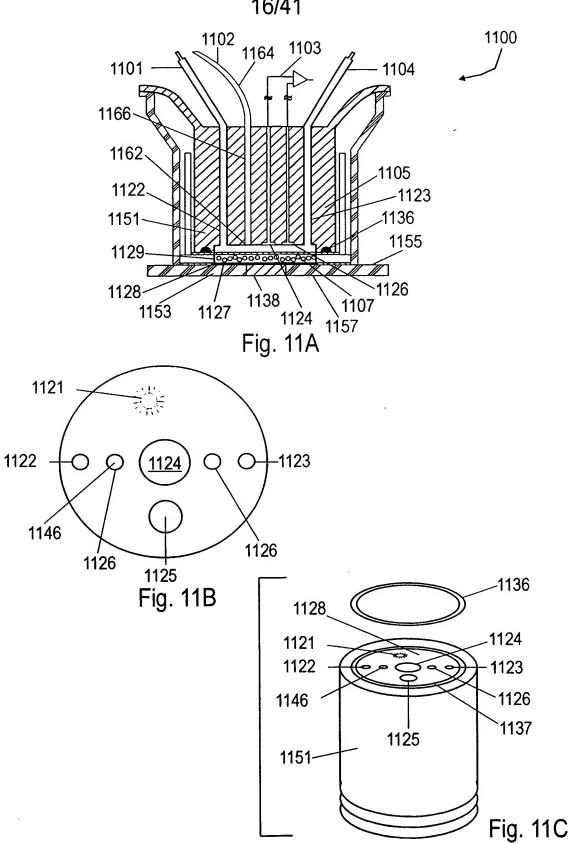


Fig. 10





Inventor: WIKSWO et al.
Docket No.: 60063.10USWO
Title: SYSTEM AND METHODS FOR DISCRIMINATING AN AGENT

1251

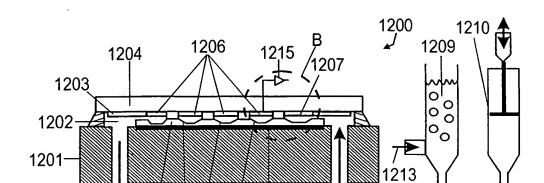
1251

1251

1205

Attorney Name: TIM XIA Phone No.: 404.954.5088 Sheet 17 of 41

17/41



1208

Fig. 12A

1214

1202 1206 1207 1209 A 1212 1210 1214

12'11

1212

Fig. 12B

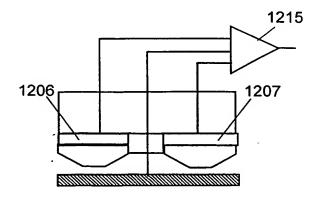
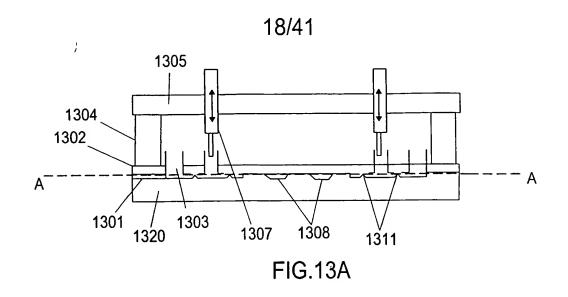
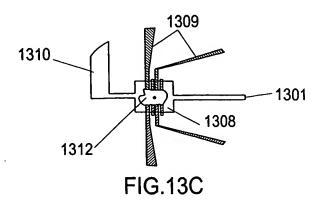


Fig. 12C



В 307 1308

FIG.13B



10/510500=

Inventor: WIKSWO et al.
Docket No.: 60063.10USWO
Title: SYSTEM AND METHODS FOR DISCRIMINATING AN AGENT
Attorney Name: TIM XIA
Phone No.: 404.954.5088
Sheet 19 of 41

19/41

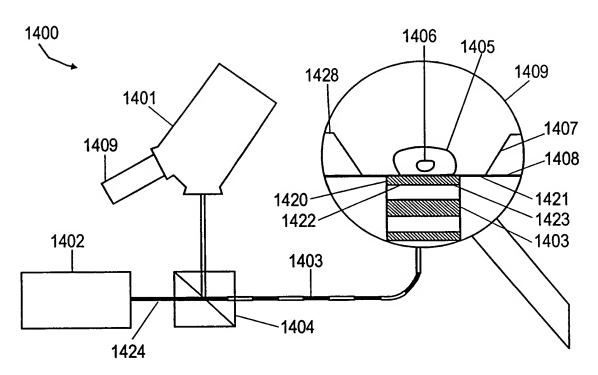


Fig. 14

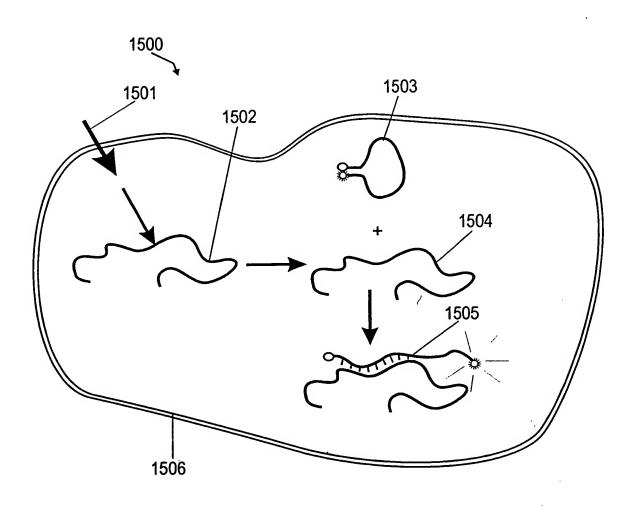


Fig. 15

10/510508

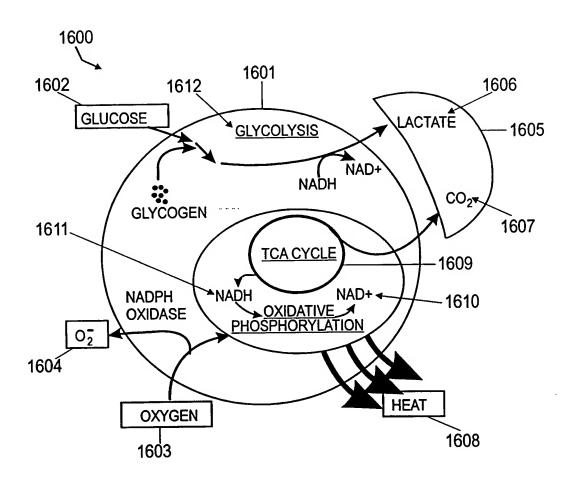


Fig. 16





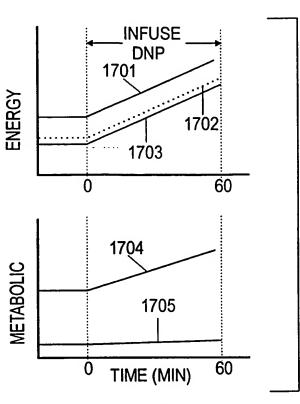
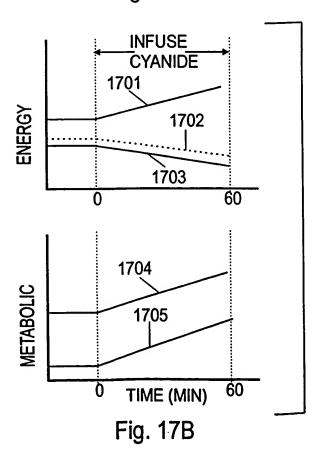
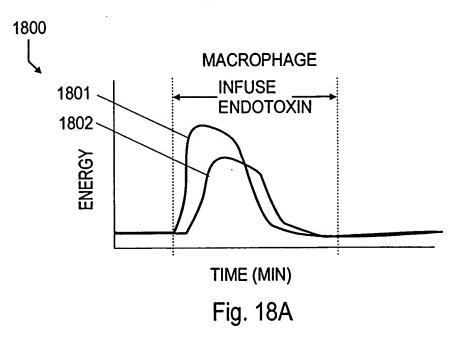


Fig. 17A



Sheet 23 of 41





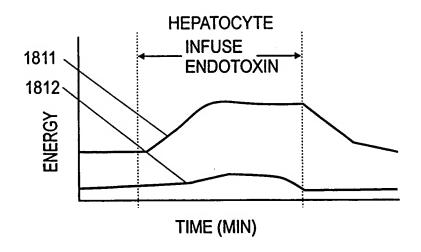
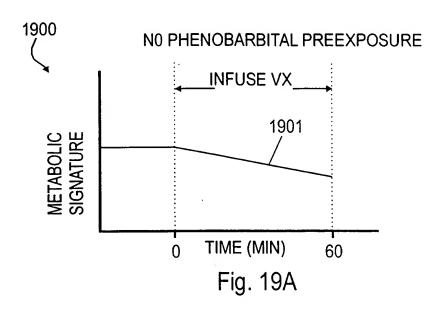
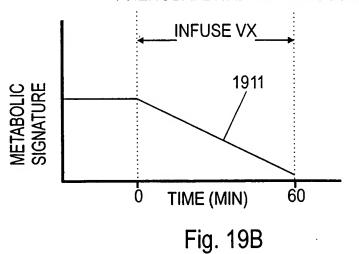


Fig. 18B

24/41



PHENOBARBITAL PREEXPOSURE



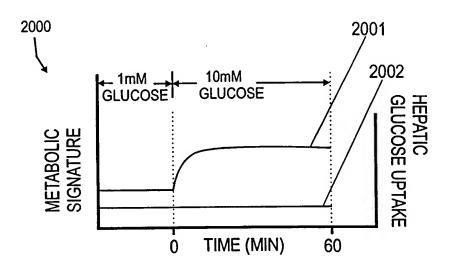


Fig. 20

1,0/510500

Inventor: WIKSWO et al.
Docket No.: 60063.10USWO
Title: SYSTEM AND METHODS FOR DISCRIMINATING AN AGENT
Attorney Name: TIM XIA
Phone No.: 404.954.5088
Sheet 26 of 41

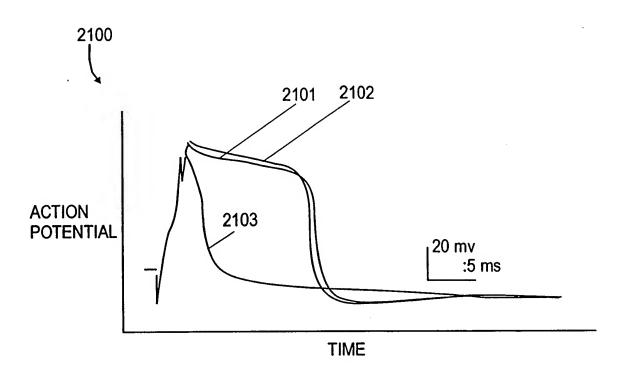
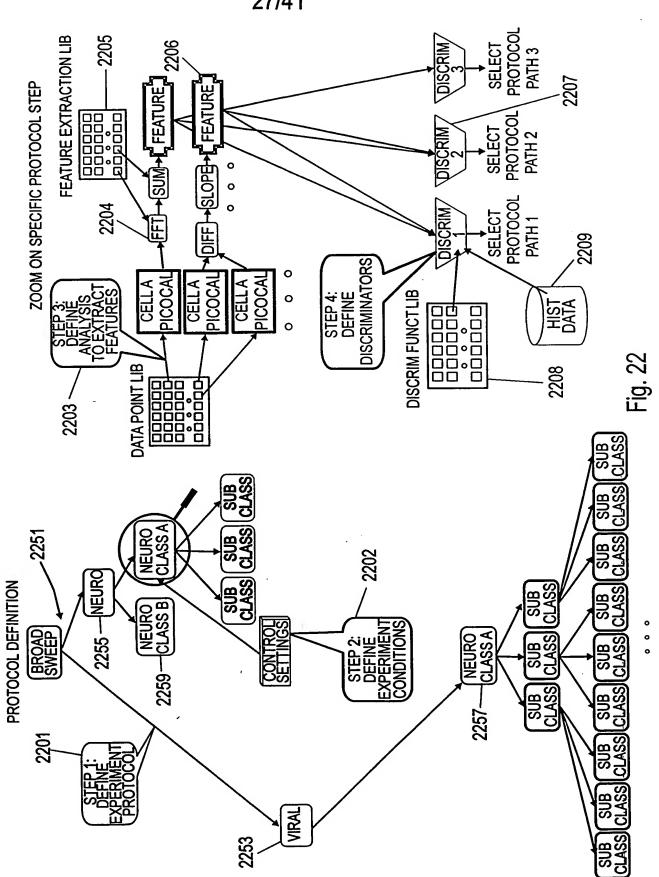


Fig. 21

Sheet 27 of 41

2//41



Sheet 28 of 41

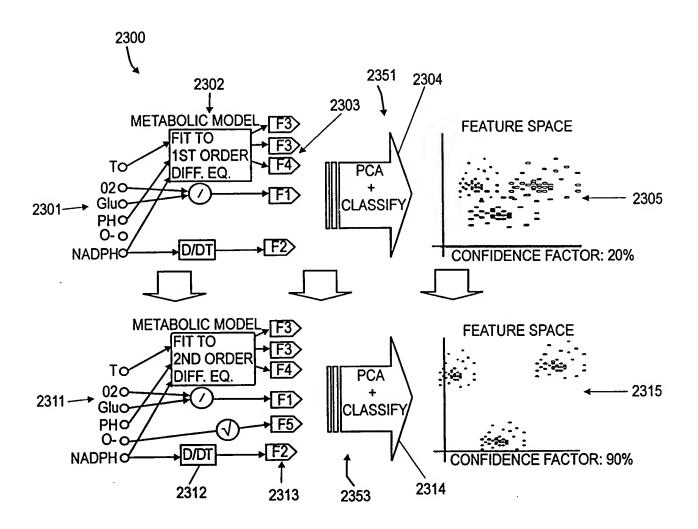
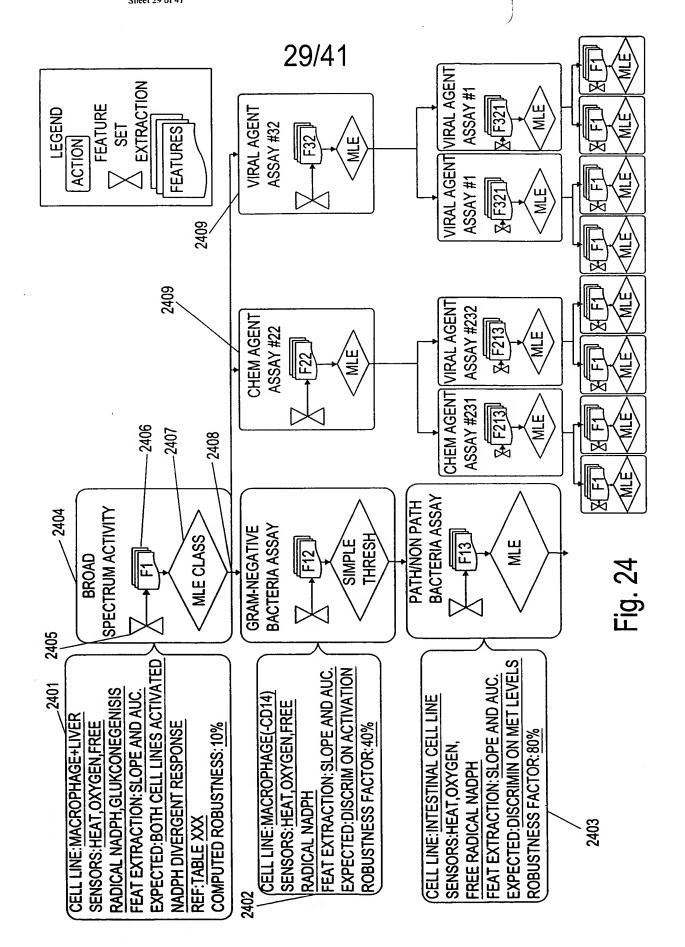
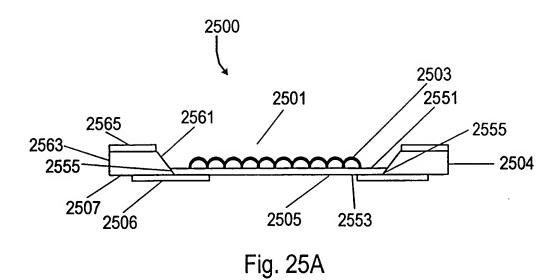


Fig. 23

Sheet 29 of 41



Phone No.: 404.954.5088 Sheet 30 of 41



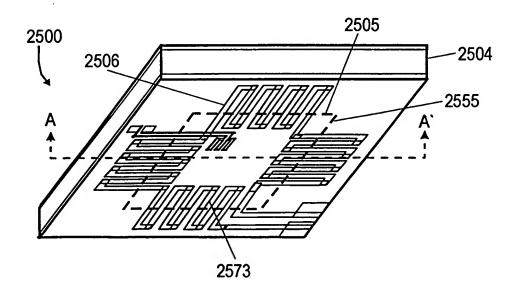


Fig. 25B

Attorney Name: TIM XIA Phone No.: 404.954.5088 Sheet 31 of 41

31/41

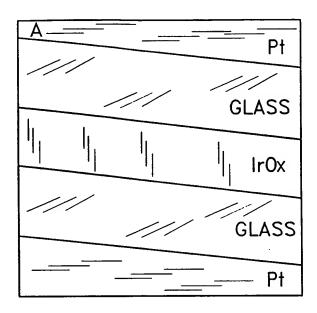
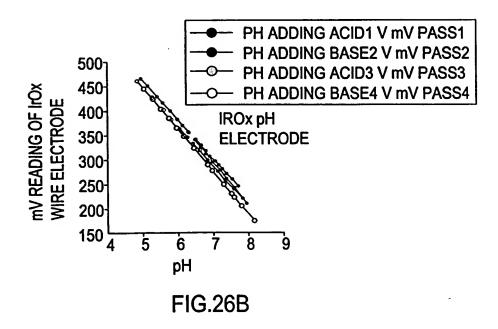
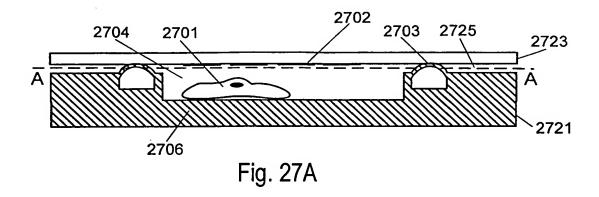


FIG.26A





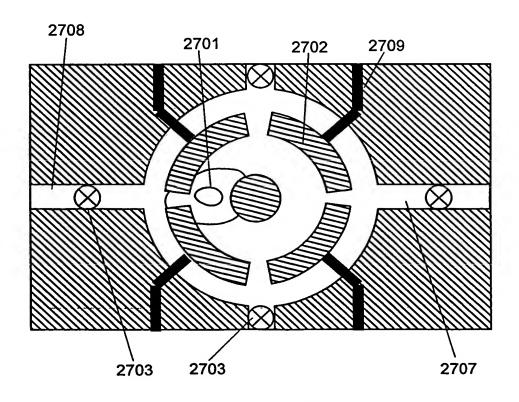
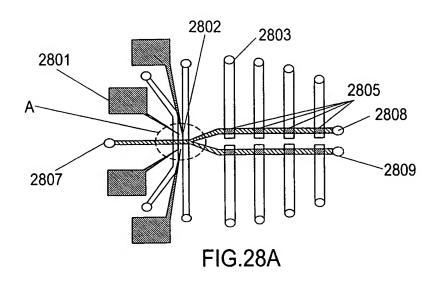
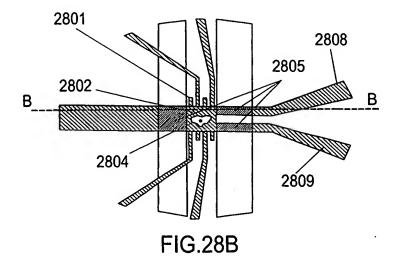


Fig. 27B

33/41





107510500

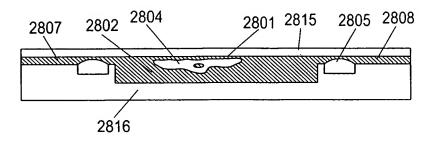


FIG.28C



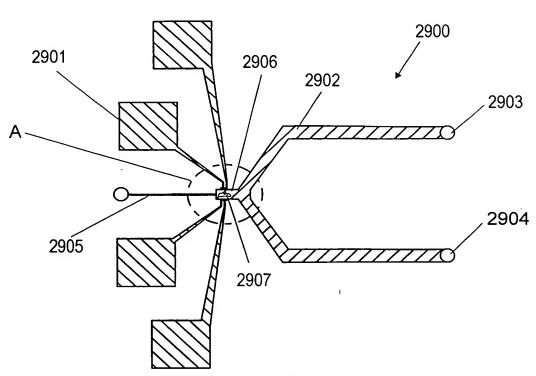


Fig. 29A

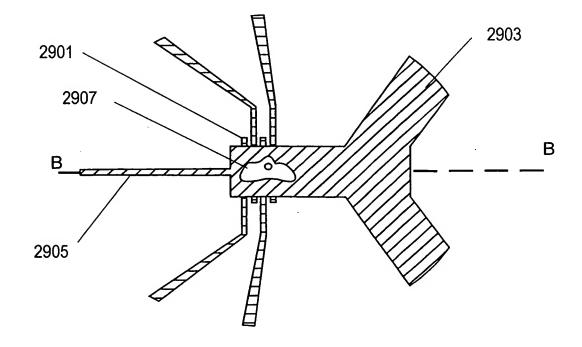


Fig. 29B

10/510500

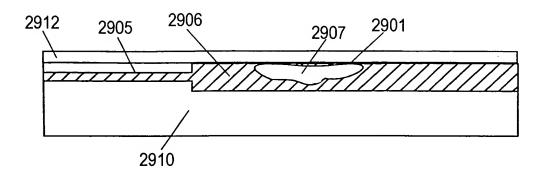


Fig. 29C

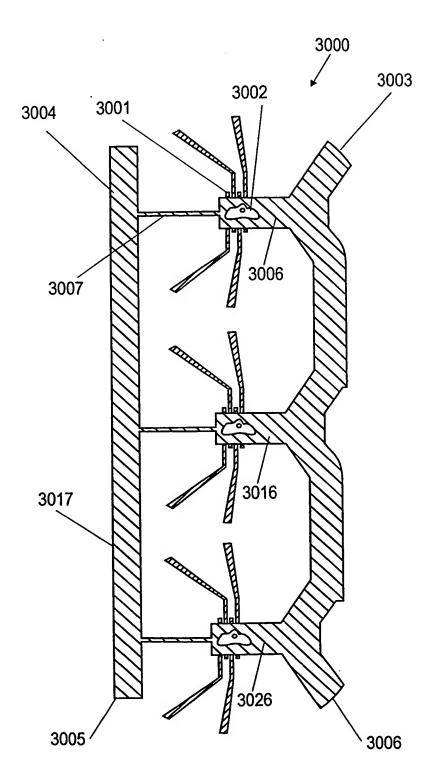
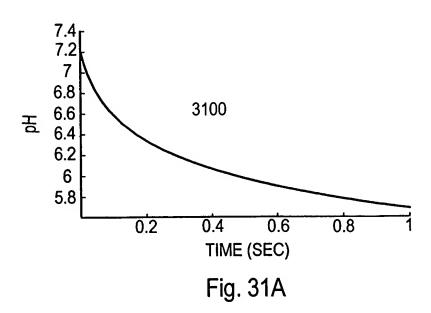
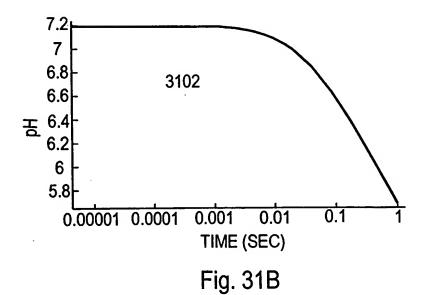


Fig. 30

Sheet 38 of 41





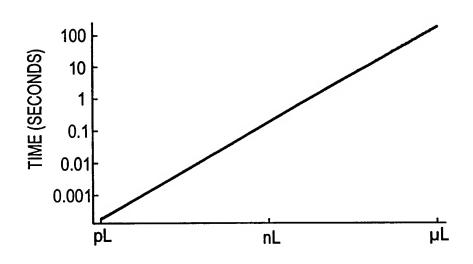


Fig. 31C

Inventor: WIKSWO et al.

Docket No.: 60063.10USWO
Title: SYSTEM AND METHODS FOR DISCRIMINATING AN AGENT

Attorney Name: TIM XIA Phone No.: 404.954.5088 Sheet 40 of 41

40/41

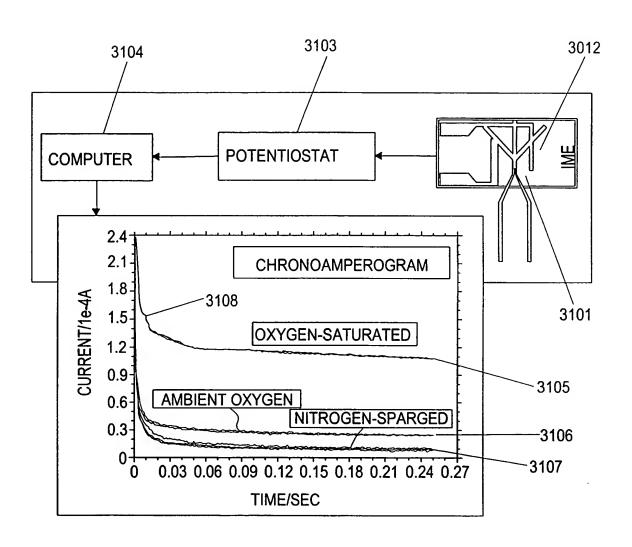
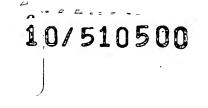


Fig. 31D

Sheet 41 of 41



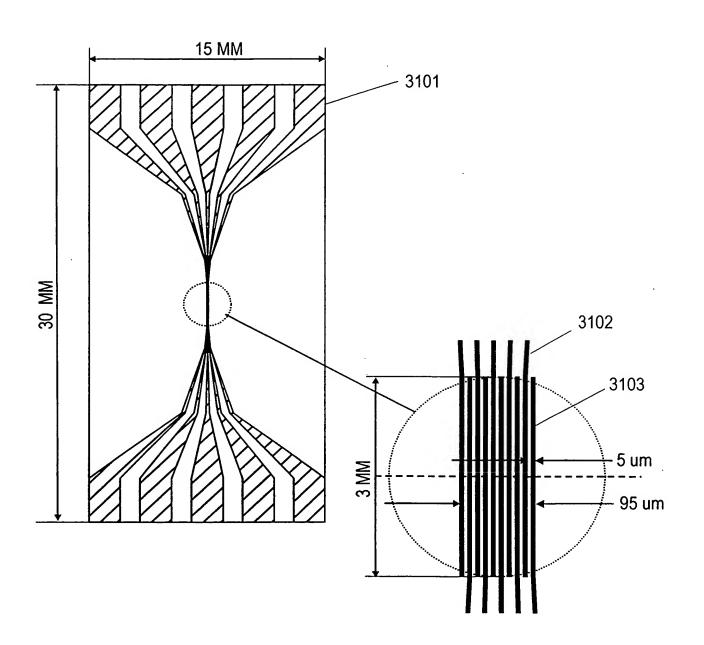


Fig. 31E